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REPORT

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INFORMATION FROM

FOREIGN DOCUMENTS OR RADIO BROADCASTS

CD NO.

COUNTRY USSR

SUBJECT Economic; Technological - Automobile industry, metallurgy

DATE OF INFORMATION 1950

HOW PUBLISHED Monthly periodical; daily newspapers

DATE DIST. 17 Nov 1950

WHERE PUBLISHED USSR

NO. OF PAGES 3

DATE PUBLISHED 12 Aug - Sep 1950

LANGUAGE Russian

SUPPLEMENT TO REPORT NO.

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SOURCE Periodical and newspapers as indicated.

AUTO PLANTS CUT GRAPHITE, ALUMINUM,
MOLYBDENUM CONSUMPTION; BOOST FORKLIFT OUTPUT

TALC REPLACES GRAPHITE IN AUTO PAINT -- Moscow, Avtomobil'naya i Traktornaya Promyshlennost', No 9, Sep 50

The organizing role in the setting of progressive norms for industry is played by Stakhanovites and rationalizers. During the past year, for instance, the practice of forging crankshaft billets without the use of tongs, which was developed at the Stalingrad Tractor Plant, has spread to all the forge shops throughout the industry. This method brought great savings in metal, fuel, steam and electric power, and caused the production norms for crankshaft manufacture to be changed in the entire industry.

In hot stamping, the Vladimir Tractor Plant not only utilizes all waste metal remaining after the making of a given item, but restores reject castings and machined pieces.

Another example of economy in the tractor plants is the use of modified instead of malleable iron. The elimination of tempering has reduced costs, shortened the production cycle by 3-4 days, and decreased the consumption of fuel 20 percent. Primary aluminum is no longer used in the production of tractors, leaving considerable sources available to the national economy.

In the Ural Automobile Plant imeni Stalin, the substitution of cheap talc for graphite in the paint mixtures has resulted in considerable savings.

In the Moscow Automobile Plant imeni Stalin, the introduction of titaniferous steel and iron has not only eliminated the need for molybdenous steels but has facilitated the improvement of vehicle designs. As a result of improved methods of processing titaniferous steel, subsequent operations on metal-cutting machine tools have been eliminated. The amount of furnace equipment has been reduced in the tempering shops, since parts made of titaniferous steel are now tempered immediately upon their removal from the cementation

- 1 -

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furnace, without passing through intermediate tempering processes. The use of titaniferous instead of molybdenous steel in the making of threading, shearing, and other dies has increased the strength of the dies.

MINISTRY PUSHES FORKLIFT PRODUCTION -- Kishinev, Sovetskaya Moldaviya, 12 Aug 50

The output of truck-type forklifts during the second quarter of 1950 exceeded the 1949 figure for the same period 180 percent. This type of equipment is receiving great attention in the Ministry of Automobile and Tractor Industry. Production of new types of forklifts has been assigned to the L'vov Forklift Plant.

The L'vov model has a lifting capacity of 3 tons, and can move at a speed of 32 kilometers per hour. It is particularly suited to intershop transport in plants, and for use in railroad, harbor, and construction work.

The Moscow Experimental Plant is currently preparing another forklift for production. This model will have a lifting capacity 2 tons greater than the L'vov model.

CARBURETOR PLANTS EXCHANGE SUGGESTIONS -- Moscow, Trud, 22 Aug 50

A delegation of engineers and technicians of the Leningrad Carburetor Plant imeni Kuybyshev, which recently visited the Moscow Carburetor Plant, was impressed with the smoothness and efficiency with which the latter operates. They noted the use of pneumatic chucks on the turret lathes and multispindle heads for certain types of boring. They viewed with interest an attachment with a rotary table which makes possible uninterrupted operation of a milling machine. The delegation brought back a sketch of this attachment, which will be installed in the Leningrad plant. They also observed that the system of simultaneous operation of several machine tools by a single worker enjoys wider application in Moscow.

At the same time, the delegation made a number of suggestions to the Moscovites. They pointed out that the Moscow plant was not giving sufficient attention to safety measures in the operation of machine tools. They suggested hot stamping instead of mechanical processing in a number of instances.

DESIGNS HIGH-SPEED LATHE ATTACHMENT -- Frunze, Sovetskaya Kirgiziya, 15 Aug 50

At the Minsk Tractor Plant a turner has designed a six-to-one reduction gear for his lathe, which has increased the number of revolutions of any piece processed to 13,330 revolutions per minute.

MAKES SPEEDOMETER FOR MOSKVICH CAR -- Moscow, Trud, 15 Aug 50

The Riga Electrical Equipment Plant makes electrical apparatus for all types of Soviet-produced vehicles. Currently, it is proceeding to produce the latest type of speedometer for the Moskvich automobile.

EXAMINE SAFETY MEASURES IN MOTORCYCLE PLANT -- Vechernyaya Molva, 22 Aug 50

An inspection of equipment and workers' stations has begun at the Moscow Motorcycle Plant with a view toward improving safety and sanitation measures. In the course of the inspection, workers' suggestions are being solicited.

- 2 -

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EXHIBIT FOLLOWS HISTORY OF AUTO-TRACTOR INDUSTRY -- Tbilisi, Zarya Vostoka,
18 Aug 50

An exhibit on the history of the automobile and tractor industry of the USSR, arranged by the Polytechnical Museum of the All-Union Society for the Dissemination of Political and Scientific Information, opened on 16 August in the Frunze Central Red Army Club imeni Frunze.

The exhibit contains drawings, photographs, and posters showing the development of the industry beginning with its first product, the AMO-F-15 truck, up to the 10- and 12-ton YaAZ-210 trucks and the ZIS-110 and ZIM automobiles. Tractors are represented by the latest models, the DT-54 diesel caterpillar and the KhtZ-7 orchard and garden tractor. The latest models in motorcycles and bicycles are also shown.

The exhibit will last 2 months.

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- 3 -

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